

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for setting a playback environment for a recording medium, the method comprising:

loading, by a device, a start-up file into a temporary storage area, the start-up file including server access information, the server access list comprising a list of external servers to be accessed;

setting, by the device, a system environment according to system environment elements prior to reproducing A/V data recorded on the recording medium,

wherein the system environment elements correspond to at least one of playback right level information, region code information, language information of [[the]] additional contents associated with the A/V data, and memory management information,

wherein the memory management information identifies a space of the temporary storage area for storing at least one of the start-up file and the additional contents,

wherein the additional contents are to be preloaded in the temporary storage area and are differently designated according to the playback right level information ~~or the~~ and the region code information;

determining, by the device, an availability of the additional contents based on control data received through a communication network from an external server, the external server storing the additional contents and the control data, the control data listing the additional contents to be preloaded;

~~storing~~preloading, by the device, the additional contents in the temporary storage area as a result of the determining step, the additional contents received from the recording medium or the external server; and

reproducing, by the device, the A/V data and the additional contents loaded in the temporary storage area according to the control data,

wherein said additional contents includes at least one of an HTML file, an image file and a sound file.

2-3. (Cancelled)

4. (Currently Amended) The method of claim 1, further comprising:

~~storing~~preloading the control data in the temporary storage area, prior to the A/V data being reproduced.

5. (Currently Amended) The method of claim 1, further comprising:

~~loading~~storing the control data into the temporary storage area prior to ~~loading~~preloading the additional contents in the temporary storage area.

6-16. (Cancelled)

17. (Currently Amended) The method of claim 1, wherein at least a portion of the additional contents associated with the A/V data is preloaded in the temporary area in advance of reproducing the A/V data, so that the A/V data can be seamlessly reproduced in synchronization with respective additional contents.

18-20. (Cancelled)

21. (Currently Amended) The method of claim 1, wherein the step of storing-preloading the additional contents comprises:

setting a language of the additional contents based on the language informatnio; and

allocating a ~~space~~ the space in the temporary storage area based on the memory management information ~~control data to store the additional contents.~~

22. (Previously Presented) The method of claim 21, further comprising:

processing setup information designated within the control data, the setup information comprising information related to a menu screen.

23. (Cancelled)

24. (Currently Amended) The method of claim 1, wherein the step of reproducing the A/V data comprises:

~~synchronizing reproduction of~~ synchronously reproducing the additional contents and the A/V data.

25. (Currently Amended) The method of claim 1, wherein the step of storing-preloading the additional contents comprises:

preloading the additional contents in the temporary storage area in advance of reproducing the A/V data recorded on the recording medium.

26. (Cancelled)

27. (Original) The method of claim 1, wherein new additional content is preloaded in the temporary storage area as storage space in the temporary storage area becomes available when the additional content stored in the temporary storage area is reproduced.

28-30. (Cancelled)

31. (Currently Amended) A non-transitory computer-readable recording medium, comprising instructions configured to cause a device to perform the following steps:

load a start-up file into a temporary storage area, wherein the start-up file includes server access information, the server access information comprising a list of external servers to be accessed;

set a system environment according to system environment elements prior to reproducing audio/video (A/V) data recorded on the recording medium,

wherein the system environment elements correspond to at least one of playback right level information, region code information, language information of additional contents associated with the A/V data, and memory management information,

wherein the memory management information identifies a space of the temporary storage area for storing at least one of the start-up file and the additional contents, and

wherein the additional contents are to be preloaded in the temporary storage area and are differently designated according to the playback right level information ~~or the~~ and the region code information;

determine an availability of the additional contents based on control data received through a communication network from an external server, the external server storing the additional contents and the control data, the control data listing the additional contents to be preloaded;

~~store-preload~~ the additional contents in the temporary storage area as a result of the determining step, the additional contents received from the recording medium or the external server; and

reproduce the A/V data and the additional contents loaded in the temporary storage area according to the control data,

wherein said additional contents includes at least one of an HTML file, an image file and a sound file.

32. (Cancelled)

33. (Previously Presented) The computer-readable medium of claim 31, wherein the control information comprises an address of a content provider remotely accessible through a communications network.

34. (Currently Amended) The computer-readable medium of claim 31, wherein the start-up ~~information file~~ comprises access information for accessing the additional contents.

35. (Currently Amended) The computer-readable medium of claim 34, wherein the start-up ~~information file~~ is preloaded into a memory within a ~~player~~the device, before the A/V data is reproduced by the ~~player~~device.

36-41. (Cancelled)

42. (Currently Amended) The computer-readable medium of claim 31, wherein the start-up ~~information file~~ is stored as a markup language file.

43-49. (Cancelled)

50. (Currently Amended) A medium player system, comprising:

a temporary storage with a predetermined capacity and configured to store a start-up file,
the start-up file including server access information which comprises a list of external servers to be accessed;

an audio/video (A/V) player engine configured to reproduce A/V data recorded on a medium;

an enhanced player engine configured to reproduce additional contents associated with the A/V data based on [[a]] system environment elements recorded on the medium or received through a communication network from an external server, the system environment elements being used for the additional contents, the system environment elements being included in the start-up file and comprising at least one of information associated with a playback right level, a region code, a language of the additional contents and memory management information, the memory management information identifying a space of the temporary storage for storing at least the start-up file and the additional contents; and

a controller configured to

set the system environment elements prior to reproducing the A/V data,

control the temporary storage according to the memory management information,

and

control the A/V player engine and the enhanced player engine to synchronously reproduce the A/V data and the associated additional contents ~~in synchronization with each other~~,

wherein the start-up file further comprises a plurality of information items for designating additional content categories, the plurality of information items including playback right level information or region code information,

wherein said additional contents includes at least one of an HTML file, an image file and a sound file.

51. (Cancelled)

52. (Currently Amended) The player system of claim 50,
wherein the environment elements comprise information about a location where the additional contents can be accessed, and
wherein the controller is configured to access the additional contents based on the information about the location.

53. (Previously Presented) The player system of claim 50, wherein the controller is configured to store the environment elements in the temporary storage, prior to the A/V data being reproduced.

54. (Currently Amended) The player system of claim 50,
wherein the start-up file comprises information about the additional contents ~~to be loaded into the temporary storage, before the A/V data is reproduced, and~~
wherein the controller is configured to identify the information and to load the additional contents into the temporary storage before the A/V data is reproduced according the identified information.

55. (Cancelled)

56. (Previously Presented) The player system of claim 50, wherein the temporary storage is in a semiconductor storage device.

57-58. (Cancelled)

59. (Currently Amended) The player system of claim 50, further comprising:

a network interface configured to communicate with ~~an external entity~~ the external server in order to receive information from the external ~~entity~~ server and send information to the external ~~entity~~ server.

wherein the controller is configured to

determine an availability of the additional contents based on control data received through the network interface from the external server, the control data listing the additional contents to be preloaded, and

preload the additional contents in the temporary storage area, the additional contents received from the recording medium or the external server.

60-70. (Cancelled)